

INFLUENZA A (H1N1) OUTBREAK - PREVENTIVE & CONTROL ACTIONS TAKEN

**Disease Control Division
Ministry of Health**



Ministry of Health Malaysia

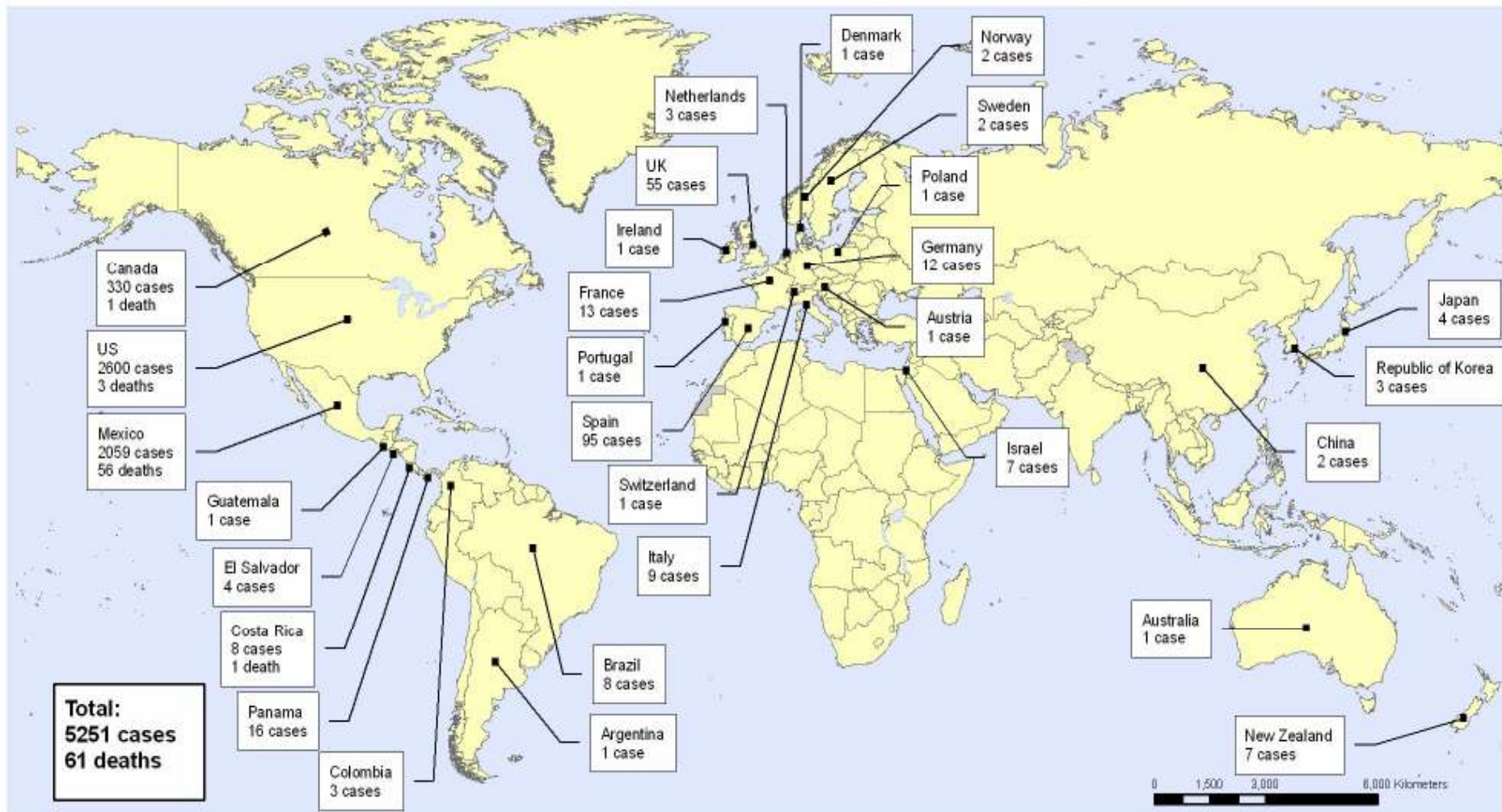
Influenza A (H1N1)

- New strain detected in California (reported on 24 April 2009)
- Mixed genes of human, avian & swine
(Influenza virus A/California/04/2009)
 - North American swine
 - North American avian
 - North American human
 - Eurasian swine
- Swine flu A H1N1 was refer as Influenza A H1N1 since 30 April 2009
- Efficient human to human transmission
- Everyone is at risk due to absence of immunity



New Influenza A (H1N1), Number of laboratory confirmed cases and deaths as reported to WHO

Status as of 12 May 2009
06:00 GMT



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted lines on maps represent approximate border lines for which there may not yet be full agreement.

Map produced: 12 May 2009 06:00 GMT

Data Source: World Health Organization
Map Production: Public Health Information
and Geographic Information Systems (GIS)
World Health Organization



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Figure 4. Distribution of confirmed cases of influenza A(H1N1) by age, April-May 2009, WHO European Region (including 48 cases with available data on 5 May 2009)

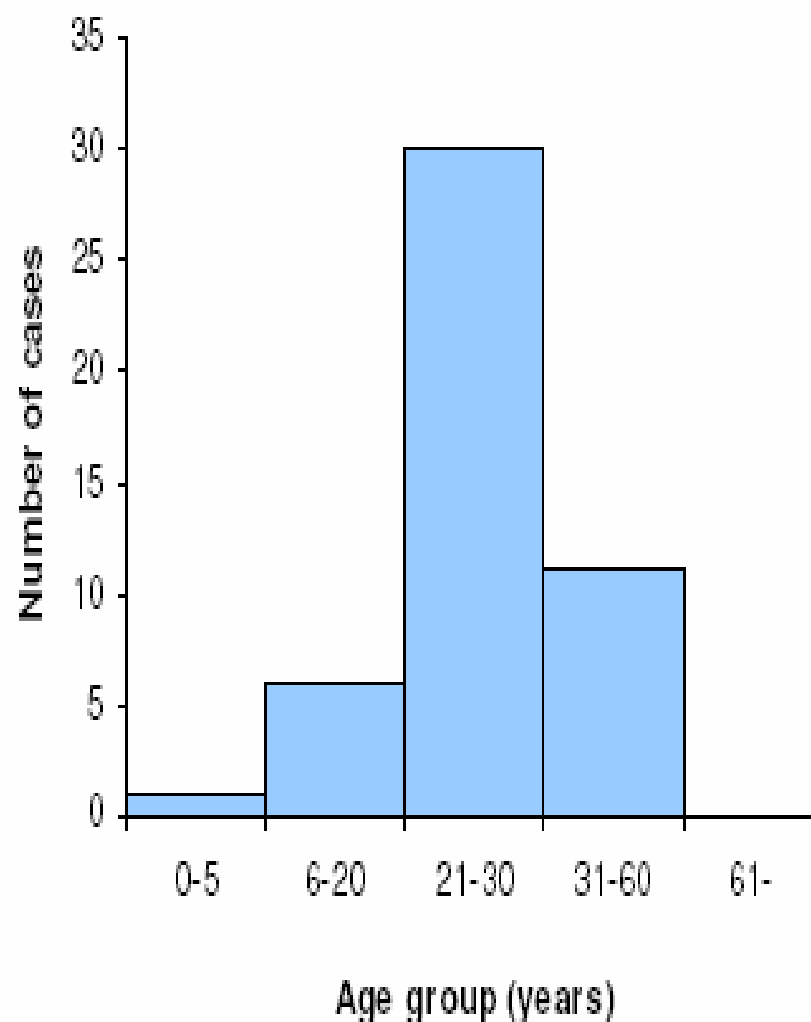
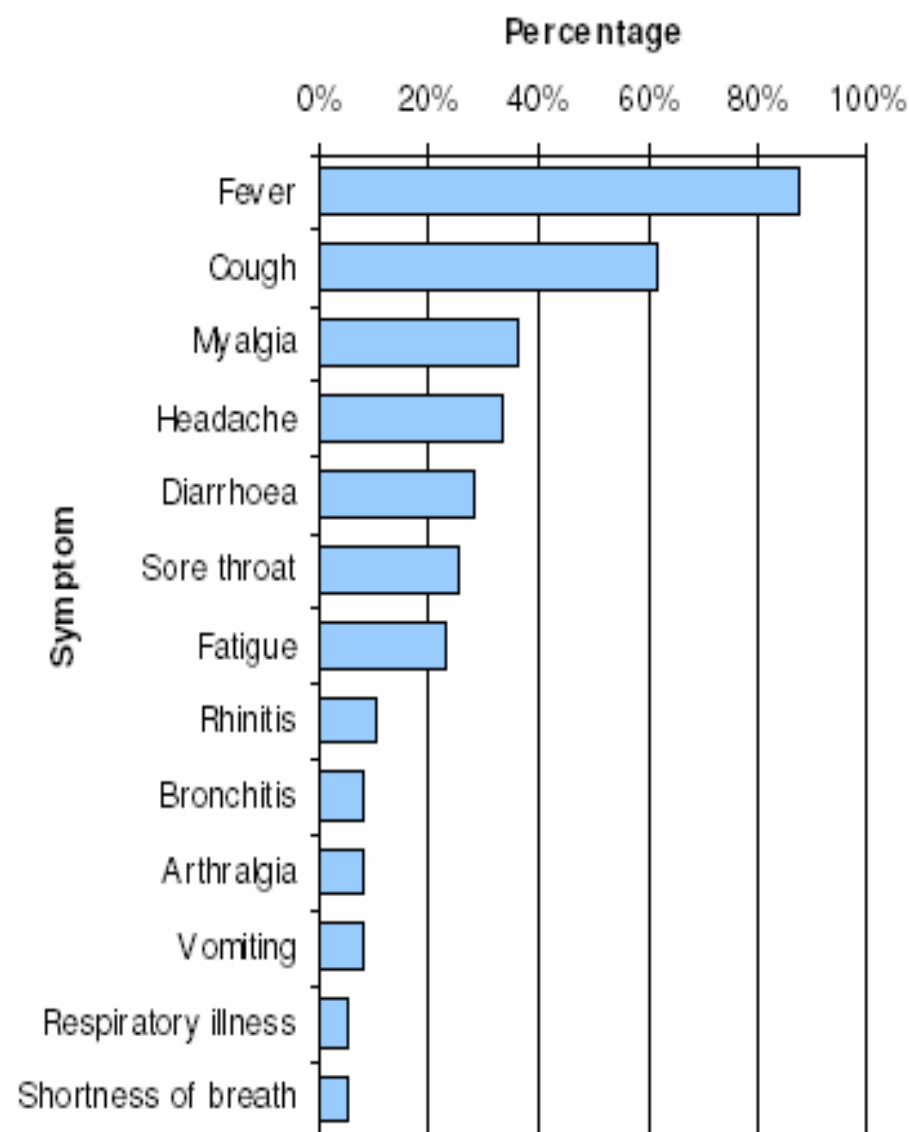


Figure 5. Symptoms reported for confirmed cases of influenza A(H1N1), April-May 2009, WHO European Region (including 39 cases with available data on 5 May 2009)



Demographic features of 642 confirmed US cases

- 51% males
- Age median: 20 years (3 months – 81 years)
- Age distribution
 - 5% 0-23 months
 - 17% 2-9 years
 - 40% 10-18 years
 - 35% 19-50 years
 - 5% older than 50 years



Clinical features of confirmed US cases

- Clinical symptoms

- Fever 94%
- Cough 92%
- Sore throat 66%
- Diarrhea 25%
- Vomiting 25%

→ Most cases characterized by self-limited, uncomplicated febrile respiratory illness

- Hospitalisation rate 5-9%
- Case-fatality 0.2%



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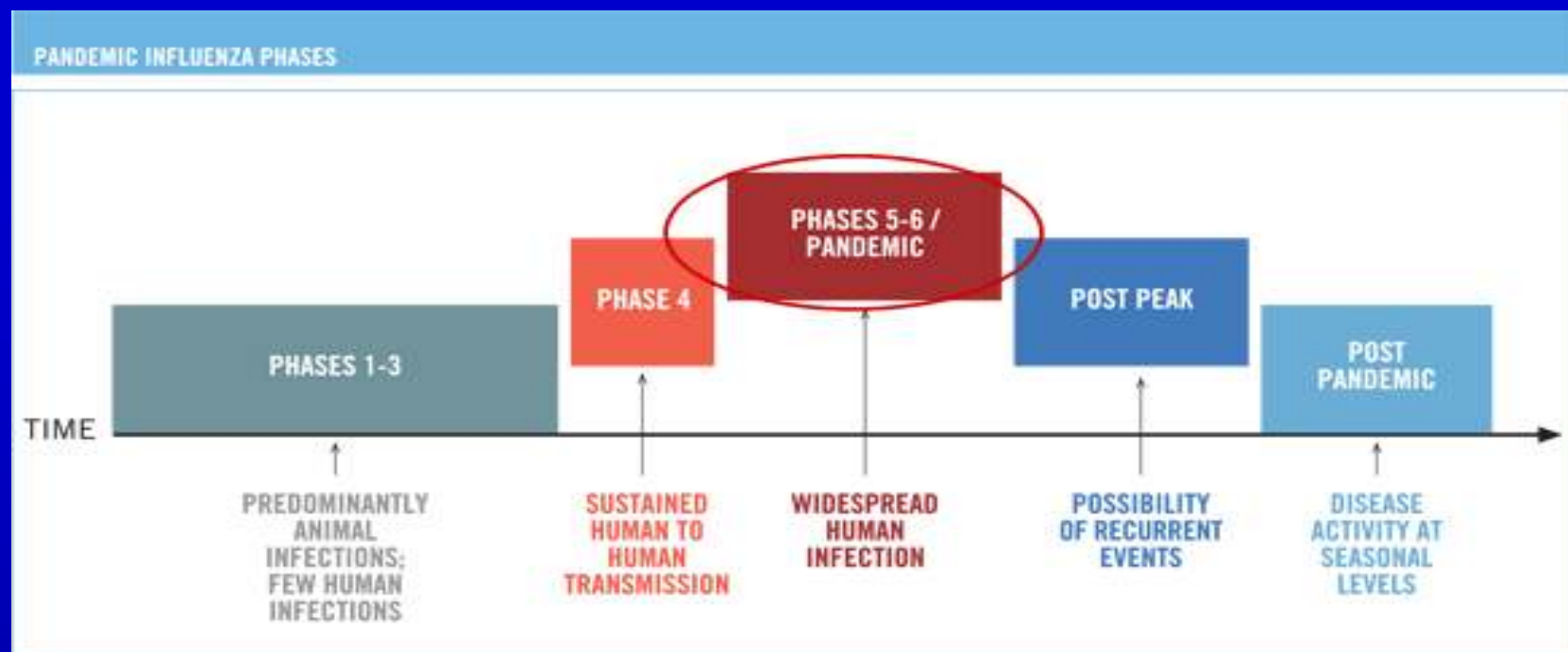


Characteristics of 22 hospitalised US cases

- More than 50% had increased risk of severe seasonal influenza (pregnancy, under 5 years, chronic medical conditions)
- None of them was older than 64 years
- 50% had radiological confirmed pneumonia



Pandemic Phases 5 - Description



Is characterized by human-to-human spread of the virus into at least two countries in one WHO region.

Pandemic Phase 5 – since 29 April 2009



Malaysia's Current Situation (11 May 2009)

NO case of Influenza A H1N1 reported



Actions Taken by Ministry of Health

- **Operations Room activated for monitoring of Influenza A H1N1 situation & to ensure all proactive prevention & control measures be carried out since 26 April 2009**
- **Enhance surveillance at all levels of health facilities**
 - **ILI surveillance**
 - **sARI surveillance**
 - **Atypical pneumonia**
 - **Syndromic notification**



Actions Taken by Ministry of Health

- **Screening on arrival at International Ports of Entry (airport, land & seaport) among travellers from affected countries – temperature check, health declaration and health alert card**
 - Total travellers screened = 60,557
 - Total health declaration form distributed = 59,165
 - Total health alert card distributed = 59,165
 - Thermal scanner = 20
- **Good cooperation from Immigration Department**



Actions Taken by Ministry of Health

- **28 designated hospitals ready to receive cases (168 rooms with negative pressure)**
- **All Clinical Specimens to IMR (BSL3)**



Actions Taken by Ministry of Health

- **Antiviral stockpile readily available**
(2 million treatment packs)
- **PPE stockpile**
 - Readily available
 - 500,000sets



Actions Taken by Ministry of Health

- **Health advise to public & travellers via website, TV, radio and telephone (CPRC)**
- **Briefing to all State Health Director, Hospital Director, ID Physician, State Epidemiology Officer**
- **Hotline – at total of 311 with 4 emails received**



Actions Taken by Ministry of Health

- **Development of Interim guidelines on surveillance of Influenza A H1N1 in Malaysia**

- **Development & distribution of health education material**
 - hand & good personal hygiene
 - cough etiquette
 - current facts regarding the disease & pandemic
 - travel advisories
 - other FAQs



Actions Taken by Ministry of Health

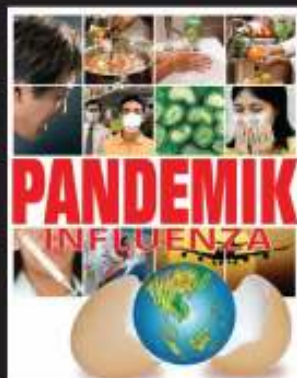
- **`Seasonal Influenza, SH' vaccination**
 - **for frontliners (Health and Non-Health)**
 - **Started 8 Mei 2009, Completed End May 2009**
 - **Coordinated by PKD.**



Actions Taken by Ministry of Health

- **Daily press statement on current situation & step taken by MOH for public information**
- **Collaborate with WHO for monitoring & surveillance of the outbreaks**





Maklumat untuk anggota kesihatan bagi mendidik masyarakat mengenai Pandemi Influenza



TRAVEL ADVISORY

The current influenza global outbreak, which was first reported from Mexico in April 2009 is caused by a new strain of the influenza virus. On 30 April 2009, the World Health Organisation named it as Influenza A (H1N1).

Earlier on (8 April), the WHO upgraded its pandemic alert phase level to 'Phase 3', which is defined as - Human-to-human spread of the virus into at least two continents in one WHO region. The declaration of Phase 3 is a strong indication that a pandemic is imminent.

TRAVEL TO INFLUENZA A (H1N1) AFFECTED COUNTRIES

Travel to the affected countries should be **AVOIDED**. If travel to these countries cannot be avoided, please observe the following measures:

- Keep informed of the areas with outbreaks or high incidence of Influenza A (H1N1). Avoid crowded places.
- Avoid direct contact with Influenza A (H1N1) cases. If you need to be in close contact with cases of Influenza A (H1N1), use an appropriate protective mask.
- Observe good personal hygiene at all times. Cover your mouth. Wash your hands with soap and water.
- If you feel ill, please seek **IMMEDIATE** treatment.

If you have recently returned from a Influenza A (H1N1) affected country with other people for 7 days. If within this period you develop any two or more of these - cough, difficulty in breathing, fever, you should **IMMEDIATELY** seek treatment from the nearest doctor. Inform the doctor that you have visited the Influenza A (H1N1) affected country.

HEALTH ALERT CARD

For Travellers coming from/exiting INFLUENZA A (H1N1) affected countries or areas

For Malaysians and Visitors, The World Health Organisation has issued an alert on Influenza A (H1N1)

If you have flu-like symptoms such as fever and one or more of these - cough, difficulty in breathing, body aches, headache or sore throat, you should immediately seek treatment from the nearest doctor.

Present this card to the doctor for further action.



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(03/05/2009) (Mar-09)

KEEP YOUR HANDS CLEAN

Cover Your COUGH



Stop The Spread of That Make You and Others Sick



Ministry of Health Malaysia
INFLUENZA A (H1N1)

Frequently Asked Questions (FAQs)

4. About the disease

1. What is influenza A (H1N1)?

It is highly contagious acute respiratory disease infecting by a new virus. The result of a mutation created by the mixing of human influenza virus, guinea.

Human cases occurred?

On reveal that the earliest cases infected with new virus was Mexico and United States of America in April 2009. As the cases reported from various other countries across the

As of affected countries, please refer to www.moh.gov.my and

the and symptoms of Influenza A (H1N1)?

Influenza A (H1N1) are flu-like, including fever, cough, sore throat, sore throat and runny nose, and sometimes

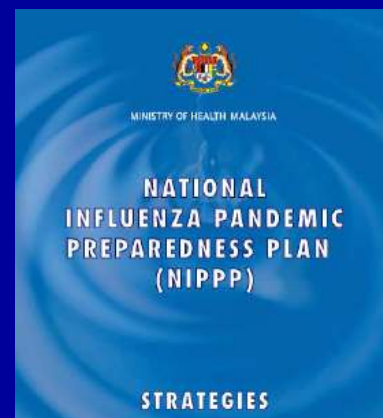
and

symptoms infected with Influenza A (H1N1)?

When infected people cough or sneeze, infected people get up onto surfaces, or are dispersed into the air. An uninfected



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NIPPP documents

Simulation exercise



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Issues

- **Travel advisory**
 - Perceived by affected countries as travel restriction
 - Need decision

- **Vaccination**
 - To identify persons to be given vaccine
 - Frontliners/essential services.



THANK YOU

